

ABSTRACT OF THE DISCLOSURE

A gas shock absorber has a pressure tube which defines a working chamber. A piston assembly divides the working chamber into an upper working chamber and a lower working chamber. A plurality of extension passages extend through the piston assembly and are opened and closed by an extension valve assembly. A plurality of compression passages extend through the piston assembly and are opened and closed by a compression valve assembly. A rod guide assembly is located between the pressure tube and the piston rod. The rod guide assembly includes an oil chamber for sealing and lubricating the piston rod. An axially movable piston maintains the pressure within the oil chamber equal to the pressure in the upper working chamber.